

ABSTRACT

WATER SOLUBLE COLORANTS FOR INK JET PRINTING AFFORDING
IMPROVED WATER FASTNESS

1 In accordance with one embodiment of the present
2 invention, a colorant in an ink jet ink formulation is
3 disclosed. The colorant comprises an organic dye
4 chromophore with at least one functional group Y
5 containing one or more primary, secondary or tertiary
6 amino groups, which in the presence of an acid provides a
7 water soluble, cationic ink jet ink colorant with
8 increased water fastness when applied to paper.